## WHAT IS CLAIMED IS:

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 An apparatus for eliminating gas bubbles from a syringe, the apparatus comprising:

a syringe having a syringe outlet and a syringe operator; an actuator for moving the syringe operator;

a tubing connected to the syringe outlet; and a sensor positioned adjacent the tubing for sensing when gas

bubbles have been eliminated from the tubing.

- 2. The apparatus of Claim 1, wherein the sensor includes a transmitter

  positioned on one side of the tubing and a receiver positioned on an opposite side of the tubing.
  - 3. The apparatus of Claim 1, wherein a sealing mechanism for sealing the tubing is positioned between the sensor and the syringe outlet for sealing the tubing after the gas bubbles have been eliminated.
- 15 4. The apparatus of Claim 3, wherein the sealing mechanism is a heat sealing device.
  - 5. The apparatus of Claim 1, wherein the sensor and the actuator are controlled by a control system to advance the syringe operator until the sensor indicates that the gas bubbles have been removed from the tubing.
- The apparatus of Claim 1, further comprising a mechanical knocker

arranged to impact the syringe to increase the speed at which gas bubbles are dissipated from a fluid in the syringe.

- 7. The apparatus of Claim 6, wherein the mechanical knocker includes an impact member positioned on one side of the syringe and a spring positioned on an opposite side of the syringe.
- The apparatus of Claim 1, wherein the sensor is an ultrasonic sensor.

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- 9. An apparatus for conditioning a organic fluid for subsequent use in a medical procedure, the apparatus comprising:
- a cabinet having a secure environment for conditioning of a organic fluid;
- an input system for transporting a organic fluid charge from a source to the cabinet;
- a container removably contained in the secure environment and coupled to the input system to receive the charge;
  - stressors coupled to the cabinet and positioned for operation to create a conditioned charge in the container;
  - an output system coupled to the container and including a receiver for the conditioned charge; and
  - an apparatus sensing when gas bubbles are eliminated from the receiver including a sensor arranged for sensing when gas bubbles have been eliminated from the receiver.

- 10. The apparatus of Claim 9, wherein the receiver comprises: a syringe having a syringe outlet and a syringe operator; an actuator for moving the syringe operator; and a tubing connected to the syringe outlet.
- 11. The apparatus of Claim 10, wherein the sensor is positioned adjacent the tubing for sensing when gas bubbles have been eliminated from the tubing.

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- 12. The apparatus of Claim 10, wherein the sensor includes a transmitter positioned on one side of the tubing and a receiver positioned on an opposite side of the tubing.
- The apparatus of Claim 12, wherein the sensor is an ultrasonic sensor.
- 14. The apparatus of Claim 11, wherein a sealing mechanism for sealing the tubing is positioned between the sensor and the syringe outlet for sealing the tubing after the gas bubbles have been eliminated.
- 15. The apparatus of Claim 14, wherein the sealing mechanism is a heat sealing device.
  - The apparatus of Claim 11, wherein the ultrasonic sensor and the

actuator are controlled by a control system to advance the syringe operator until the ultrasonic sensor indicates that the gas bubbles have been removed from the tubing.

17. The apparatus of Claim 10, further comprising a mechanical knocker arranged to impact the syringe to increase the speed at which gas bubbles are dissipated from a fluid in the syringe.

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18. The apparatus of Claim 17 wherein the mechanical knocker includes in impact member positioned on one side of the syringe and a spring positioned on an opposite side of the syringe.